

COMPILATION OF DETAILED DPU AND TUNER PERFORMANCE TEST DATA SHEETS

TABLE OF CONTENTS

1.0 DIRECT PICKUP INTERFERENCE TESTING

1.1 DPU DATA SHEETS

2.0 TUNER PERFORMANCE TESTING

- 2.1 RE-RADIATION OF CABLE SIGNALS
- 2.2 LOCAL OSCILLATOR LEAKAGE AND BACKFEED
- 2.3 A/B SWITCH ISOLATION
 - 2.3.1 NON-SELECTED TO SELECTED INPUT PORT ISOLATION
 - 2.3.2 NON-SELECTED INPUT TO OUTPUT PORT ISOLATION
 - 2.3.3 VCR INPUT TO OUTPUT PORT INTERNAL SWITCH ISOLATION
- 2.4 DPU BACKFEED
- 2.5 VCR THROUGH LOSS
- 2.6 ADJACENT CHANNEL REJECTION
- 2.7 IMAGE CHANNEL REJECTION
- 2.8 TUNER OVERLOAD

SECTION 1.0 DIRECT PICKUP INTERFERENCE TESTING

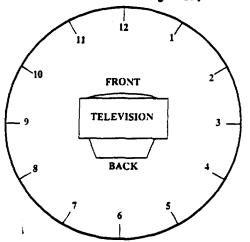
	DATA	SHEET
EUT	#	

DATE	:	ENGINEER	k:				
EUT :	MONITOR POINT	:	BASE-BAND,		_IF		
TEST	CHANNEL:		-				
RADI	ATED SUSCEPTI	BILITY					
1.	Configure the Ensure Gener dBmV (interfe	ators are	adjusted for	or 0 dBr	nV (TV vi	deo) and	- 55
	INITIAL	SETTINGS:					
	B. Gene. C. Gene	rator #1 F rator #2 (TV) setting requency IS) setting requency	g:		dBm MHz dBm MHz	īV
2.	Attach the I monitor to the						
3.	Adjust the S				riate fr	equency	band
	ANALYZE	R SETTINGS	:				
	В. С.	Video Fil Reference	n Bandwidt) tering Amplitude quency uency			Hz dBmV MHz	
4.	With the call conducted in interference	to the EU	T, the ind	licated		level of	
5.	Configure th Adjust the calibrated 3	interferer	ice genera	own in tor, Ge	Figures enerator	#2, and #2, to	#5 . the
	Α.	Generator	#2 setting	ı:		dBmV	

6. While monitoring the interference signal on the analyzer, rotate the EUT to maximize the monitored interference reference signals amplitude.

INDICATE MAXIMIZED POSITION WITH ARROW.

(Maximized position = 8 degree reference.) [Counter setting = 0.]



A. Indicated Interference Signal maximum level:_____ dBmV

NOTE: If the maximum indicated level is less than indicated in Step #4, above, test completed. Go to Step #8.

- Reduce Interference signal generator, Generator #2, until the monitored interference signal matches the amplitude found in Step #4, above.
 - A. Generator #2 setting:

dBmV

- Repeat Steps #5, #6, and #7, from above, with the EUT rotated to complete ±180 from the EUT's interference signal's 8. maximized orientation, in 45 degree increments.
 - A. Plus 45°
 - Step #5, Generator #2 setting:
 Step #6, Indicated IS level :
 - _ dBmV
 - 3. Step #7, Generator #2 setting: dBmV

NOTE: If the maximum indicated level is less than indicated in Step #4, above, test completed. The indicated IS: dBmV

B. Pl	us 90°		
	 Step #5, Generator #2 setting: Step #6, Indicated IS level : Step #7, Generator #2 setting: 		dBmV
	NOTE: If the maximum indicated indicated in Step #4, above, test The indicated IS:	level is completed.	
C. Pl	us 135°		
	 Step #5, Generator #2 setting: Step #6, Indicated IS level : Step #7, Generator #2 setting: 		dBmV dBmV dBmV
	NOTE: If the maximum indicated indicated in Step #4, above, test The indicated IS:		•
D. Pl	us 180°		
	 Step #5, Generator #2 setting: Step #6, Indicated IS level: Step #7, Generator #2 setting: 		dBmV dBmV dBmV
	NOTE: If the maximum indicated indicated in Step #4, above, test The indicated IS:	level is completed.	
E. Mi	nus 45°		
	 Step #5, Generator #2 setting: Step #6, Indicated IS level : Step #7, Generator #2 setting: 		dBmV dBmV dBmV
	NOTE: If the maximum indicated indicated in Step #4, above, test The indicated IS:		less thar dBmV
F. Mi	nus 90°		
	 Step #5, Generator #2 setting: Step #6, Indicated IS level : Step #7, Generator #2 setting: 		dBmV dBmV dBmV
	NOTE: If the maximum indicated indicated in Step #4, above, test The indicated IS:		less thar

~		-	\sim	_
G.	Minus		- ⊀	5
\sim	1111100	_	_	•

1. Step #5, 0 2. Step #6, 3 3. Step #7, 0	Indicated IS	level :			_ dBm' _ dBm' _ dBm'	V
NOTE: If th					less	than
indicated in The indicated		ove, test	Combier	ea.	dBi	nV

RADIATED DATA SUMMARY SHEET

1.	Reference Interference Signal Generator setting: [Generator #2, Paragraph 1(C)]	dBmV
2.	Zero degree Interferenec Generator setting: [Generator #2, Paragraph 7(A)] 1(C) - 7(A) = dB	dBmV
3.	+45 degrees Interference Generator setting: [Generator #2, Paragraph 8(A)(3)] 1(C) - 8(A)(3) = dB	dBmV
4.	+90 degrees Interference Generator setting: [Generator #2, Paragraph 8(B)(3)] 1(C) - 8(B)(3) = dB	dBmV
5.	+135 degrees Interference Generator setting: [Generator #2, Paragraph 8(C)(3)] 1(C) - 8(C)(3) = dB	dBmV
6.	+180 degrees Interference Generator setting: [Generator #2, Paragraph 8(D)(3)] 1(C) - 8(D)(3) = dB	dBmV
7.	-45 degrees Interference Generator setting: [Generator #2, Paragraph 8(E)(3)] 1(C) - 8(E)(3) = dB	dBmV
8.	-90 degrees Interference Generator setting: [Generator #2, Paragraph 8(F)(3)] 1(C) - 8(F)(3) = dB	dBmV
9.	-135 degrees Interference Generator setting: [Generator #2, Paragraph 8(G)(3)] 1(C) - 8(G)(3) = dB	dBmV

DATA SHEET EUT #____

DATE	:ENGINEER:
EUT :	MONITOR POINT:BASE-BAND,IF
rest	CHANNEL:
Inje	CTION PROBE SUSCEPTIBILITY
1.	Configure test configuration as shown in Figure #6 and #9. Ensure that the TV signal generator, Generator #1, is adjusted for 0 dBmV (TV video) into the EUT antenna port.
	Adjust the interference signal (IS) generator, Generator #2, to the level required to simulate a 3 V/m impinged signal onto the cable under test, via the cable clamps.
	INITIAL SETTINGS EUT ANTENNA INPUT CABLE:
	A. Generator #1 (TV) setting: dBmV B. Generator #1 Frequency: MHz C. Generator #2 (IS) setting: dBmV D. Generator #2 Frequency: MHz
2.	Attach the monitor cable (IF monitor or base-band monitor) to the EUT. Allow 15 minutes for test system warm-up.
3.	Adjust Spectrum Analyzer to appropriate frequency band for IF or baseband monitoring.
	ANALYZER SETTINGS:
	A. Resolution Bandwidth: kHz B. Video filtering : Hz C. Reference Amplitude : dBmV D. Start Frequency : MHz E. Stop Frequency : MHz
١.	With the calibrated, maximized, 3 V/m impinged interference signal being injected onto the EUT ANTENNA cable, the indicated signal level at the monitor point (IF or baseband), of the interference reference signal is: dBmV.
5.	Reduce the Interference signal generator level, Generator #2, until the monitored interference signal matches the amplitude found in Radiated Susceptibility Step #4.

	Note: If the indicated monitored IS level is less than was recorded in Step #4, the test is completed.
	A. Indicted Interference Reference level: dBmV B. Generator #2 setting: dBmV
6.	Configure test configuration as shown in Figure #6 and #9 . Ensure that the TV signal generator, Generator #1, is adjusted for 0 dBmV (TV video) into the EUT antenna port.
	Adjust the interference signal (IS) generator, Generator #2, to the level required to simulate a 3 V/m impinged signal onto the EUT POWER cable, via the cable clamps.
	INITIAL SETTINGS EUT POWER CABLE:
	A. Generator #1 (TV) setting: dBmV B. Generator #1 Frequency: MHz C. Generator #2 (IS) setting: dBmV D. Generator #2 Frequency: MHz
7.	Attach the monitor cable (IF monitor or base-band monitor) to the EUT. Allow 15 minutes for test system warm-up.
8.	Adjust Spectrum Analyzer to appropriate frequency band for IF or baseband monitoring.
	ANALYZER SETTINGS:
	A. Resolution Bandwidth: kHz B. Video filtering : Hz C. Reference Amplitude : dBmV D. Start Frequency : MHz E. Stop Frequency : MHz
9.	With the calibrated, maximized, 3 V/m impinged interference signal being injected onto the POWER cable, the indicated signal level at the monitor point (IF or baseband), of the interference reference signal is: dBmV.
10.	Reduce the Interference signal generator level, Generator #2, until the monitored interference signal matches the amplitude found in Radiated Susceptibility Step #4.
	Note: If the indicated monitored IS level is less than was recorded in Step #4, the test is completed.
	A. Indicted Interference Reference level: dBmV B. Generator #2 setting: dBmV

INJECTED SUSCEPTIBILITY DATA SUMMARY SHEET

1.	Reference Interference Signal Generator setting: [Generator #2, Paragraph 1(C)]	dBmV
2.	Reference Interference Signal Generator setting: [Generator #2, Paragraph 6(C)]	dBmV
3.	VIDEO CABLE Interference Generator setting: [Generator #2, Paragraph 5(B)] 1(C) - 5(B) = dB	dBmV
4.	POWER CABLE Interference Generator setting: [Generator #2, Paragraph 6(B)] 6(C) - 10(B) = dB	dBmV

TV CONFIGURATION

COMMENTS:				
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			· · · · · · · · · · · · · · · · · · ·	

SECTION 2.0 TUNER PERFORMANCE TESTING

OPEN		NGE EMISSI FA SHEET	ONS TEST	EUT#
EUT ON I SELEC		SELECTED EMISSION LEVEL (dBuV)	ANTENNA FACTOR AND CABLE LOSS (dB)	EMISSIONS LEVEL (uV/m)
-	15		13.5	
_	25		20.2	
_	37		23.0	
_	53		27.0	
EUT ON I SELEC		SELECTED EMISSION LEVEL (dBuV)	ANTENNA FACTOR AND CABLE LOSS (dB)	EMISSIONS LEVEL (uV/m)
	15		13.5	
-	25		20.2	
-	37		23.0	
_	53		27.0	
EUT OFF	CHANNEL	SELECTED EMISSION LEVEL (dBuV)	ANTENNA FACTOR AND CABLE LOSS (dB)	EMISSIONS LEVEL (uV/m)
	15		13.5	·
-	25		20.2	-
•	37		23.0	
-	53		27.0	
COMMENTS:	CABLE ALWA	AYS IN PORT A	DATE	
			ENGINEER	
·		— <u> </u>	ONES	

LOCAL OSCILLATOR LEAKAGE AND BACKFEED DATA SHEET

EUT	#: Date: EUT Type:
	(Note: Spectrum Analyzer settings: RES Bw = 300 kHz, VBw = 30 kHz.)
1.	Verify test configuration as shown in Figure A
2.	Verify CW Generator is OFF .
3.	Set BB Generator for 10 IRE
4.	Set Modulator for Channel #3
5.	Adjust Modulator Attenuator to 18.0 dB
	(Pre-calibrated to produce +15 dBmV Video Carrier and +5 dBmV Aural Carrier at the EUT input.)
6.	While monitoring TP1, scan the EUT from 5 MHz to 600 MHz.
٠.	Record frequencies and amplitudes of any emissions indicated
	greater than -22.0 dBmV which is greater than -35 dBmV at
	the EUT antenna input port, from 5 MHz to 600 MHz. Test
	Channel Video and Aural carriers will be excluded.
	(If many emissions are detected, make a spectral plot).
	Frequency (MHz) Indicated Level (dBmV)
	107.00 Indicated Bever (db.kv)
7.	Set Baseband Generator and Modulator for Channel #12, 10 IRE
8.	Adjust Modulator Attenuator to 18.0 dB
-	(Pre-calibrated to produce +15 dBmV Video Carrier and +5 dBmV
	Aural Carrier at the EUT input.)
9.	Select Spectrum Analyzer to monitor TP1 (50 Ω Input)
10.	While monitoring TP1, scan the EUT from 5 MHz to 600 MHz.
	Record frequencies and amplitudes of any emissions indicated
	greater than -22.0 dBmV which is greater than -35 dBmV at
	the EUT antenna input port, from 5 MHz to 600 MHz. Test
	Channel Video and Aural carriers will be excluded.
	(If many emissions are detected, make a spectral plot).
	Frequency (MHz) Indicated Level (dBmV)
	251.00
11.	Set Baseband Generator and Modulator for Channel #53, 10 IRE
12.	Adjust Modulator Attenuator to 13.0 dB
	(Pre-calibrated to produce +15 dBmV Video Carrier and +5 dBmV
	Aural Carrier at the EUT input.)
12	Select Spectrum Analyzer to monitor TP1 (500 Input)

14.	While monitoring TP1, scan the EUT from 5 MHz to 600 MHz. Record frequencies and amplitudes of any emissions indicated greater than -22.0 dBmV which is greater than -35 dBmV at the EUT antenna input port, from 5 MHz to 600 MHz. Test Channel Video and Aural carriers will be excluded. (If many emissions are detected, make a spectral plot). Frequency (MHz) Indicated Level (dBmV) 443.00
15.	Set Baseband Generator and Modulator for Channel #74
16.	Adjust Modulator Attenuator to 14.0 dB
	(Pre-calibrated to produce +15 dBmV Video Carrier and +5 dBmV
17.	Aural Carrier at the EUT input.) Select Spectrum Analyzer to monitor TP1 (50Ω Input)
18.	While monitoring TP1, scan the EUT from 5 MHz to 600 MHz.
	Record frequencies and amplitudes of any emissions indicated
	greater than -22.0 dBmV which is greater than -35 dBmV at
	the EUT antenna input port, from 5 MHz to 600 MHz. Test Channel Video and Aural carriers will be excluded.
	(If many emissions are detected, make a spectral plot).
	Frequency (MHz) Indicated Level (dBmV)
	569.00
	
19.	Set Baseband Generator and Modulator for Channel #3, 10 IRE
20.	Adjust Modulator Attenuator to 33.0 dB
20.	(Pre-calibrated to produce 0 dBmV Video Carrier and -10 dBmV
	Aural Carrier at the EUT input.)
21.	Select Spectrum Analyzer to monitor TP1 (500 Input)
22.	While monitoring TP1, scan the EUT from 5 MHz to 600 MHz. Record frequencies and amplitudes of any emissions indicated
	greater than -22.0 dBmV which is greater than -35 dBmV at
	the EUT antenna input port, from 5 MHz to 600 MHz. Test
	Channel Video and Aural carriers will be excluded.
	(If many emissions are detected, make a spectral plot). Frequency (MHz) Indicated Level (dBmV)
	107.00
23.	Set Baseband Generator and Modulator for Channel #12, 10 IRE
24.	Adjust Modulator Attenuator to 33.0 dB (Pre-calibrated to produce 0 dBmV Video Carrier and -10 dBmV

25. 26.	Aural Carrier at the EUT input.) Select Spectrum Analyzer to monitor TP1 (500 Input) While monitoring TP1, scan the EUT from 5 MHz to 600 MHz. Record frequencies and amplitudes of any emissions indicated greater than -22.0 dBmV which is greater than -35 dBmV at the EUT antenna input port, from 5 MHz to 600 MHz. Test Channel Video and Aural carriers will be excluded. (If many emissions are detected, make a spectral plot). Frequency (MHz) Indicated Level (dBmV) 251.00
27.	Set Baseband Generator and Modulator for Channel #53, 10 IRE
28.	Adjust Modulator Attenuator to 28.0 dB (Pre-calibrated to produce 0 dBmV Video Carrier and -10 dBmV Aural Carrier at the EUT input.)
29.	Select Spectrum Analyzer to monitor TP1 (500 Input)
30.	While monitoring TP1, scan the EUT from 5 MHz to 600 MHz. Record frequencies and amplitudes of any emissions indicated greater than -22.0 dBmV which is greater than -35 dBmV at the EUT antenna input port, from 5 MHz to 600 MHz. Test Channel Video and Aural carriers will be excluded. (If many emissions are detected, make a spectral plot). Frequency (MHz) 1ndicated Level (dBmV) 443.00
	Set Baseband Generator and Modulator for Channel #74, 10 IRE
32.	Adjust Modulator Attenuator to 29.0 dB (Pre-calibrated to produce 0 dBmV Video Carrier and -10 dBmV Aural Carrier at the EUT input.)
33. 34.	Select Spectrum Analyzer to monitor TP1 (500 Input) While monitoring TP1, scan the EUT from 5 MHz to 600 MHz. Record frequencies and amplitudes of any emissions indicated greater than -22.0 dBmV which is greater than -35 dBmV at the EUT antenna input port, from 5 MHz to 600 MHz. (If many emissions are detected, make a spectral plot).
	Frequency (MHz) Indicated Level (dBmV) 569.00

CALIBRATION DATA FOR SIGNAL LOSS

[LO LEAKAGE FROM CABLE END (EUT INPUT) THROUGH SYSTEM ATTENUATOR; THROUGH DIRECTIONAL COUPLER (INPUT-TO-TAP OUTPUT); THROUGH AMPLIFIER; TO THE SPECTRUM ANALYZER INPUT (500 CONNECTOR).] SEE FIGURE A.

FREQUENCY (MH	z) INPUT (dBmV)	READING (dBmV)	GAIN (dB)
10.00	0.0	16.6	16.6
20.00	0.0	15.6	15.6
30.00	0.0	15.5	15.5
40.00	0.0	15.4	15.4
50.00	0.0	15.2	15.2
61.25 C	0.0	15.1	15.1
100.00	0.0	14.3	14.3
107.00 L	0.0	14.2	14.2
150.00	0.0	14.1	14.1
200.00	0.0	13.8	13.8
205.25 C	0.0	13.7	13.7
250.00	0.0	13.9	13.9
251.00 LC	0.0	13.9	13.9
300.00	0.0	13.9	13.9
350.00	0.0	13.5	13.5
397.25 C	0.0	11.9	11.9
400.00	0.0	11.9	11.9
443.00 L	0.0	10.2	10.2
500.00	0.0	8.9	8.9
523.25 C	0.0	8.3	8.3
569.00 L		7.4	7.4
600.00	0.0	7.3	7.3

LOCAL OSCILLATOR LEAKAGE AND BACKFEED SYSTEM CONFIGURATION

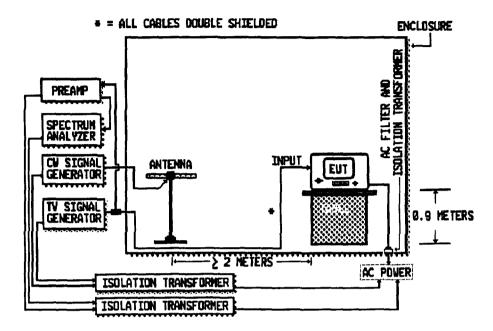


FIGURE A

LOCAL OSCILLATOR LEAKAGE AND BACKFEED TEST CONFIGURATION

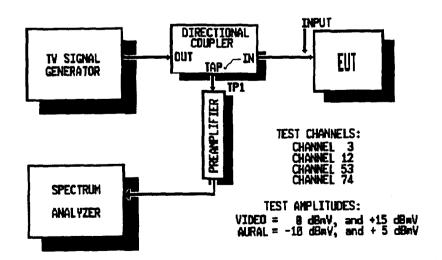


FIGURE 3

A/B SWITCH TEST NON-SELECTED TO SELECTED INPUT PORT ISOLATION (EUT's with A & B Inputs)

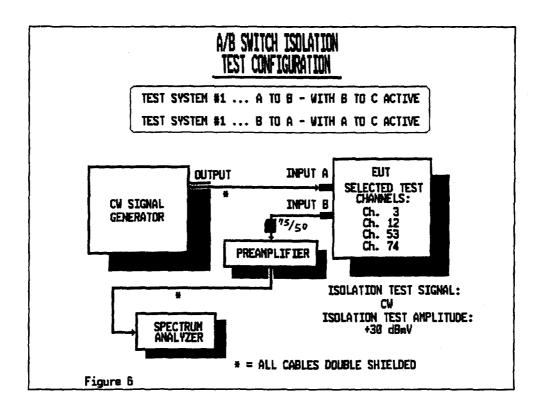
EUT#	DATE: EUT TYPE:
CALI	BRATION:
	Measure the gain from the EUT input connector through the implifier to the spectrum analyzer for each test channel. See are 6.
	GAIN for Channel 3 (61.25 MHz) dB
	GAIN for Channel 12 (205.25 MHz) dB
	GAIN for Channel 53 (397.25 MHz) dB
	GAIN for Channel 74 (523.25 MHz) dB
	A/B TEST
CHAN	TNEL 3 TEST:
1.	Verify that the test system is configured as shown in Figure
2	6
2. 3.	Turn on EUT to Channel 3 Adjust the CW generator for 61.25 MHz
4.	Adjust the CW generator for +30 dBmV (90 dB μ V) at the EUT
4.	input connector
5.	
6.	
	Measure the CW signal level at the B input connector port.
	B Port level: dBmV
8.	minus CH 3 gain = dB
9.	equals level at EUT dBmV
10.	Isolation equals 30 dBmV - level at EUT = dB.
CHAI	NEL 12 TEST:
1.	Verify that the test system is configured as shown in Figure 6
2.	
3.	
4.	Adjust the CW generator for $+30 \text{ dBmV} (90 \text{ dB}\mu\text{V})$ at the EUT
	input connector
5.	Attach CW generator output to EUT A input connector
6.	Select the EUT to operate from the B input connector
7.	Measure the CW signal level at the B input connector port.
	B Port level: dBmV
8.	minus CH 12 gain = $-$ dB
9.	equals level at EUT dBmV
10.	Isolation equals 30 dBmV - level at EUT = dB.

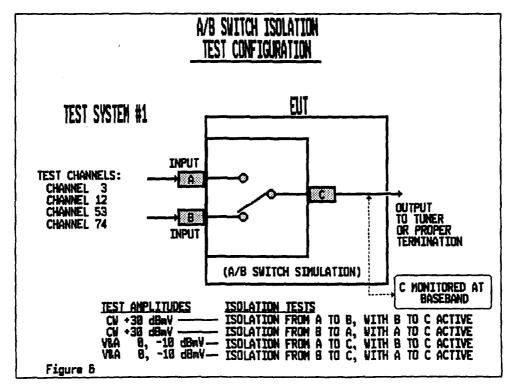
CHANNEL 53 TEST:

1.	Verify that the test system is configured as shown in Figure 6
2.	Turn on EUT to Channel 53
3.	Adjust the CW generator for 397.25 MHz
4.	Adjust the CW generator for +30 dBmV (90 dB μ V) at the EUT
	input connector .
5.	Attach CW generator output to EUT A input connector
6.	Select the EUT to operate from the B input connector
7.	Measure the CW signal level at the B input connector port. B Port level: minus CH 53 gain = - dB equals level at EUT dBmV Isolation equals 30 dBmV - level at EUT = dB.
8.	minus CH 53 gain = $-$ dB
9.	equals level at EUT dBmV
10.	Isolation equals 30 dBmV - level at EUT = dB.
	NNEL 74 TEST:
1.	Verify that the test system is configured as shown in Figure 6
2.	Turn on EUT to Channel 74
3.	Adjust the CW generator for 523.25 MHz
4.	Adjust the CW generator for $+30~\mathrm{dBmV}$ (90 $\mathrm{dB}\mu\mathrm{V}$) at the EUT
	input connector
5.	Attach CW generator output to EUT A input connector
6.	Select the EUT to operate from the B input connector
7.	Measure the CW signal level at the B input connector port. B Port level: minus CH 74 gain = dB equals level at EUT dBmV
8.	minus CH 74 gain = dB
9.	equals level at EUT dBmV
10.	Isolation equals 30 dBmV - level at EUT = dB.
	B/A TEST
CHA	NNEL 3 TEST:
1.	Verify that the test system is configured as shown in Figure 6
2.	Turn on EUT to Channel 3
3.	Adjust the CW generator for 61.25 MHz
4.	Adjust the CW generator for +30 dBmV $(90 \text{ dB}\mu\text{V})$ at the EUT
-	input connector
5.	Attach CW generator output to EUT B input connector
6.	Select the EUT to operate from the A input connector
7.	Measure the CW signal level at the A input connector port.
. •	a Doub lovel.
8.	minus CH 3 gain = dBmv
a.	equals level at RUT dRmV
ر 10	equals level at EUT dBmV Isolation equals 30 dBmV - level at EUT = dB.
TO.	TROTACTON Educits 34 ADMA - TAART OF DOL CD.

CHANNEL 12 TEST:

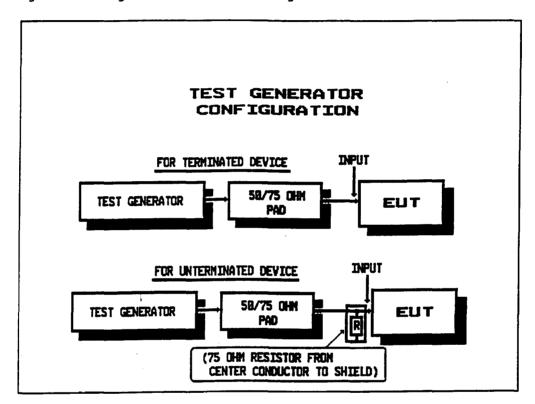
1.	Verify that the test system is configured as shown in Figure 6
2.	Turn on EUT to Channel 12
3.	Adjust the CW generator for 205.25 MHz
4.	Adjust the CW generator for $+30~\mathrm{dBmV}$ (90 $\mathrm{dB}\mu\mathrm{V}$) at the EUT
	input connector
5.	Attach CW generator output to EUT B input connector
6.	Select the EUT to operate from the A input connector
	Measure the CW signal level at the A input connector port.
	A Port level: dBmV minus CH 12 gain = dB
8.	minus CH 12 gain = $-$ dB
9.	equals level at EUT dBmV
10.	Isolation equals 30 dBmV - level at EUT = dB.
CHAI	NNEL 53 TEST:
1.	Verify that the test system is configured as shown in Figure 6
2.	Turn on EUT to Channel 53
3.	Adjust the CW generator for 397.25 MHz
4.	Adjust the CW generator for +30 dBmV (90 dB μ V) at the EUT
4.	input corrector
_	input connector
5.	
	Select the EUT to operate from the A input connector
7.	Measure the CW signal level at the A input connector port.
	A Port level: dBmV minus CH 53 gain = dB
8.	minus CH 53 gain = dB
^	Acriala laval et Piim ADmii
10.	Isolation equals 30 dBmV - level at EUT dBmV
CHAI	NNEL 74 TEST:
1.	Verify that the test system is configured as shown in Figure
	6
2.	Turn on EUT to Channel 74
3.	Adjust the CW generator for 523.25 MHz
4.	Adjust the CW generator for +30 dBmV $(90 \text{ dB}\mu\text{V})$ at the EUT
	input connector
5.	Attach CW generator output to EUT B input connector
6.	Select the EUT to operate from the A input connector
7.	Measure the CW signal level at the A input connector port.
	A Port level: dBmV
8.	minus CH 74 gain = $-$ dB
9.	equals level at EUT dBmV
10.	Isolation equals 30 dBmV - level at EUT = dB





TEST GENERATOR CONFIGURATION FOR A/B SWITCH ISOLATION TESTING

Depending on whether the EUT input is terminated, or not, the following test signal source configuration will be used.



A/B SWITCH TEST NON-SELECTED INPUT TO OUTPUT PORT ISOLATION

EUT	F: DATE EUT TYPE:	
CALIBRATING THE VM 700A:		
1.	Verify test system as shown in Figure 7, and 7A Measure CW GENERATOR 1 loss from output to EUT input:	
	Channel 03 63.80 MHz dB Channel 12 207.80 MHz dB Channel 53 399.80 MHz dB Channel 74 525.80 MHz dB	
	B/C TEST	
CHANI	NEL 3 TEST:	
1.	Verify that the test system is configured as shown in Figure 7, and 7A	
2. 3.	Verify CW GENERATOR 1 is OFF Select TV SIGNAL GENERATOR (Baseband Generator and Modulator) for Channel 3 operation	
4.	Adjust TV SIGNAL GENERATOR (Baseband Generator and Modulator) for 0 dBmV Video Carrier and -10 dBmV Aural Carrier at the input connector, Input A, of the EUT	
5. 6.	Adjust the CW GENERATOR 2 for 63.80 MHz Adjust the CW GENERATOR 2 for +30 dBmV (90 dB\(mu\text{V}\)) at the input connector, Input B, of the EUT	
7. 8.	Select the EUT to operate from the A input connector Adjust the VM 700A to monitor the EUT's baseband Frequency Spectrum, Field 1, Line 16	
9.	From the VM 700A, measure the injected isolation frequency reference level: FREQUENCY (MHz) EMISSION LEVEL (dBmV)	
	≈1.04 MHz	
10.	the control of the co	
11. 12.	Turn-on CW GENERATOR 1 to 63.80 MHz Using CW GENERATOR 1, adjust output level until isolation	
	frequency reference level (Step 9) is matched. CW GENERATOR 2 OUTPUT LEVEL (dBµV)	
13.	CW GENERATOR 1 OUTPUT LEVEL (Step 12) - cable loss = isolation substitute signal level at EUT = $dB\mu V$.	
14.	Isolation = 90 dB μ V - level recorded in Step 13 = dB.	
15.	Turn-off CW GENERATOR 1	